

## Greenhagen, Andrew

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**From:** Greenhagen, Andrew  
**Sent:** Monday, July 11, 2016 11:48 AM  
**To:** Theodore Pagano, P.E., P.G.  
**Subject:** EPA Information Requests  
**Attachments:** MPO Composition of Injected Fluids.docx

Hello Ted,

Thanks for speaking with me on Friday. I have listed below some additional information needs pertaining to your Class III application.

- 1) I have attached the list of 11 source fluids that Janette had given me, that we also discussed on Friday. Please confirm that this is the list that Michigan Potash wishes to request for injection into its Class III wells, or submit such a list to me in place of this one.
- 2) Please confirm that you wish to request the top of the Injection Zone be set within the A-2 Evaporite at 7180 feet.
- 3) Please provide some additional details about the function of the port system that would allow annulus fluid to move from the outer side of the 4.5" casing to the inner annulus. Is the device currently in use at any other Class III mining facilities of which you are aware? Is the port electronic or purely mechanical (ie- can it be set to remain shut for testing)? At what pressure at depth will it be set to open, and approximately what is the corresponding surface pressure? Please provide updated well schematics that include the port on them.

Please let me know if any of these items need further clarification.

Thanks,  
Andrew

Andrew Greenhagen  
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